OPEN THE DOOR TO INNOVATION

2N HELIOS IP INTERCOMS, IP ACCESS & IP AUDIO SYSTEMS

“For 25 years 2N has been on the forefront of access control and telecommunications. We take care to stay on the leading edge with our products, the R&D behind them, and the way we service our customers. We are proud of our growth on global markets and are now number one in IP Intercoms.”

OLDŘICH STEJSKAL
Chief Executive Officer, Chairman of the Board, 2N

„AXIS Group including 2N have a common goal to contribute to a smarter and safer world. There is an increased customer demand for integrated solutions with open standards that deliver enhanced security. Together with 2N we can meet that demand.“

PETER LINDSTRÖM
Vice President New Business, Axis Communications

IP INTERCOM SYSTEMS 3
HELIOS IP VERSO, VARIO, FORCE, SAFETY, UNI AND BASE

ANSWERING UNITS 17
INDOOR TOUCH AND MOBILE VIDEO APPS

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ACCESS UNIT, ACCESS COMMANDER

IP AUDIO SYSTEMS 27
IP AUDIO MANAGER, NET AUDIO & SIP AUDIO

ACCESSORIES 35
SOFTWARE, ACCESSORIES AND ORDERING NUMBERS

2N® Helios IP Verso

Modular intercom
is configurable to meet your needs

Bluetooth technology ensures
access control to the facility

Intuitive touch display for outdoor
use with up to 2000 contacts
in the structured list

Wide-angle HD camera with
infrared night vision

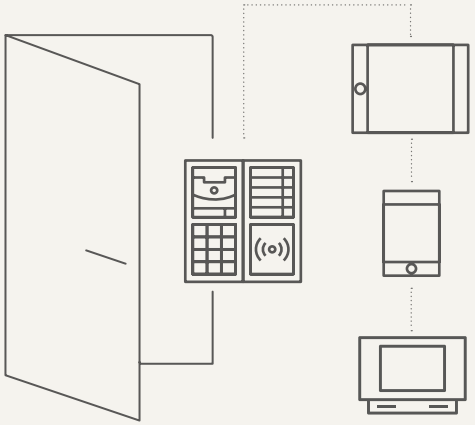
Easy integration with IP telephone
systems using SIP protocol support

Integration with IP camera systems,
VMS, and NVR through ONVIF

2N® Mobile Video calls on your
mobile phone

RFID smart card reader with NFC
support

IP54 IK8 ANTI VANDAL

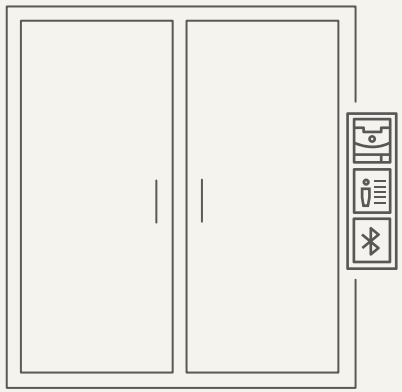


HD VIDEO

The intercom‘s Integrated HD camera can send quality images to the camera systems, mobile devices or the 2N® Indoor Touch.

NIGHT VISION

The intercom‘s Infrared night vision can record a potential intruder even in complete darkness without the intruder noticing it.



MODULARITY

Taking advantage of the intercom‘s modularity you can choose a combination that suits your needs. For example, you can interconnect the touch screen with a Bluetooth unit and an HD camera.

2N® Helios IP Force

The toughest IP intercom on the market able to withstand the most demanding conditions

Wide-angle HD camera with infrared light and night vision

10W loudspeaker for excellent audability in loud environments

Integration with IP camera systems through the ONVIF protocol

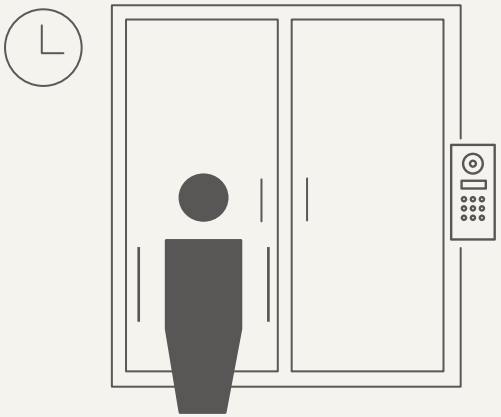
RFID smart card reader with NFC support and Wiegand interface

Highly durable aluminum housing with an antivandal construction

Video calls on your mobile phone thanks to 2N® Mobile Video

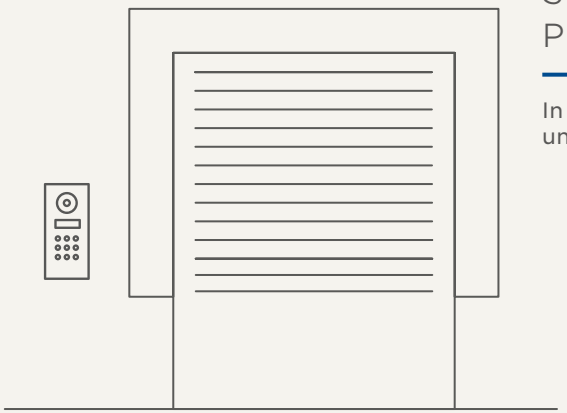
Easy integration with IP telephone systems thanks to SIP protocol support

IP69K IK10 ANTI VANDAL



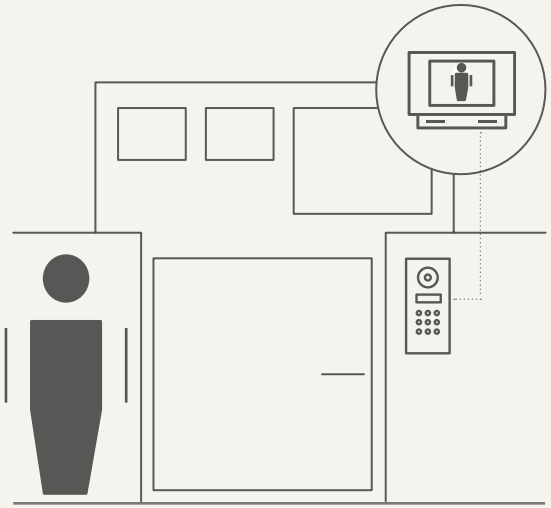
SCHOOL BUILDING SECURITY

The intercom is able to lock down school entrances according to pre-set time profiles.



SUPPLY ENTRY AND GROUNDS PROTECTION

In logistics areas no service ramp will be left unprotected.



HOME GUARDIAN

Its high durability and the possibility of video recording make the intercom a reliable guardian of any building entrance.

2N® Helios IP Base

Compact IP intercom
with wide-angle HD camera

Fast installation

Durable aluminum frame

Excellent audibility in all
conditions

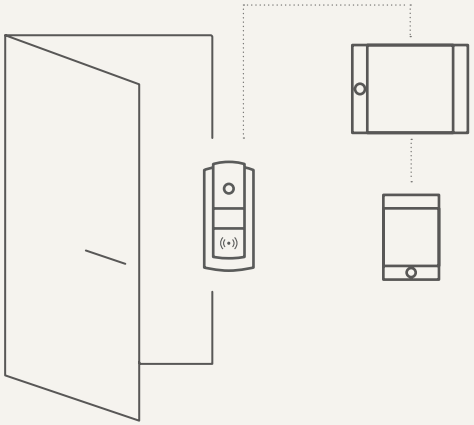
Inputs and outputs ready
for connecting an electric lock
or other equipment

Both one or two buttons
options included

Basic model can be extended
with a 125 kHz or 13.56 MHz
RFID card reader module

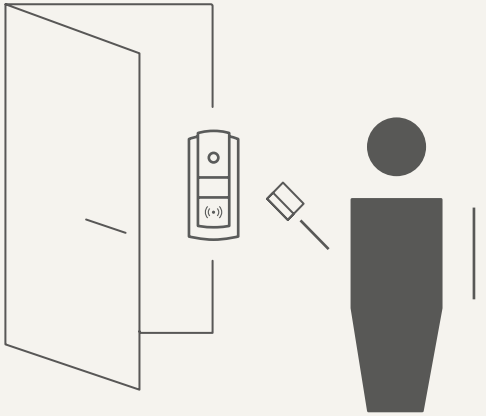
Video calls on your mobile phone
using 2N® Mobile Video App

IP65 IK7



VIDEO CALLS ON VARIOUS DEVICES

An Integrated HD camera ensures high quality videocalls on mobile devices, 2N® Indoor Touch or IP telephones.



ACCESS CONTROL SYSTEM

With its RFID card reader, the intercom intercom can serve as a part of your access control system.

2N® Helios IP Vario

Graphics display instead of a large panel of buttons

Easy integration with IP camera systems and access control systems

With 2N Helios IP Vario you can combine LCD screen, call buttons, keypad, RFID card reader, camera, and relays all in one device

Snapshot of the visitor to email

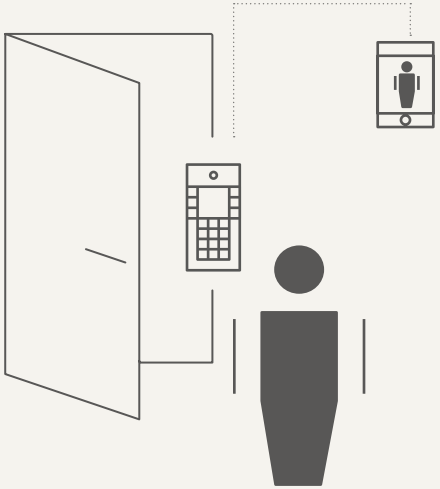
Buttons have an unlimited lifecycle

Easy integration with IP telephone systems thanks to SIP protocol support

Video calls on your mobile phone using 2N® Mobile Video App

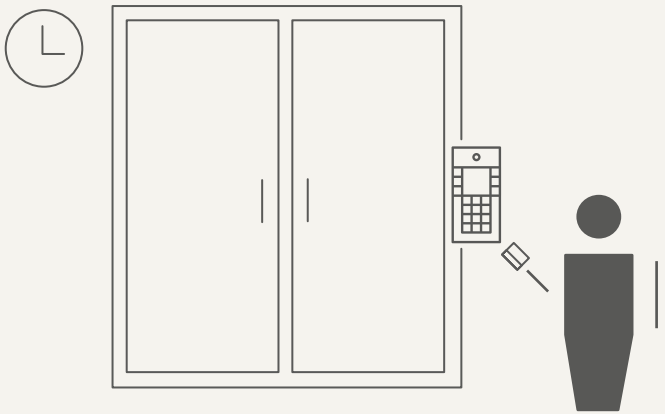
Using the extenders you can easily increase the number of buttons up to 54

IP53 IK7



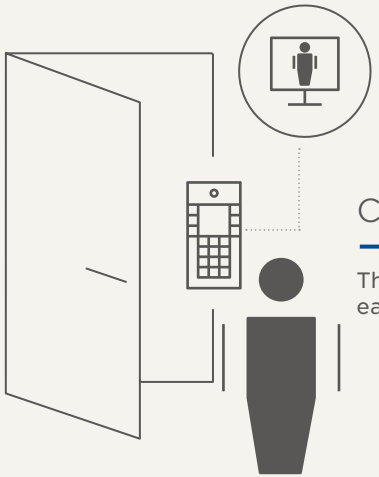
VISITOR'S IMAGE ON YOUR PHONE

The integrated camera can transmit a quality image from your doorstep to your mobile phone.



ACCESS CONTROL SYSTEM

The intercom can function as an attendance monitoring terminal for your employees.



CONNECTION TO CCTV

The video record from the intercom can easily be sent to a camera system.

2N® Helios IP Safety

The most durable IP intercom on the market able to withstand the most demanding conditions

Distinctive orange color, easily recognizable in emergency situations

10W loudspeaker for good audability in loud environments

Easy integration with IP telephone systems using SIP protocol support

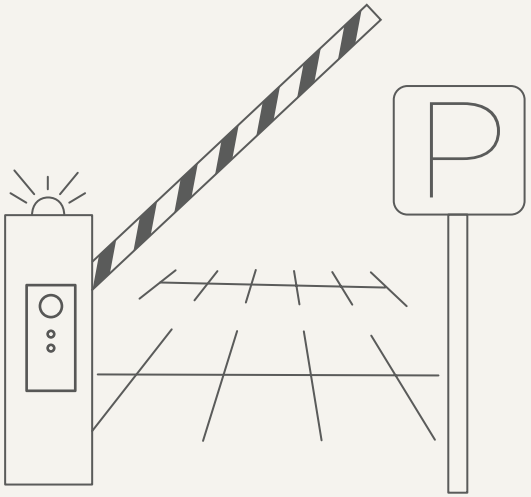
Integrates with external IP cameras for video calls

Durable buttons distinctively backlit in blue

Highly durable aluminum housing with an antivandal construction

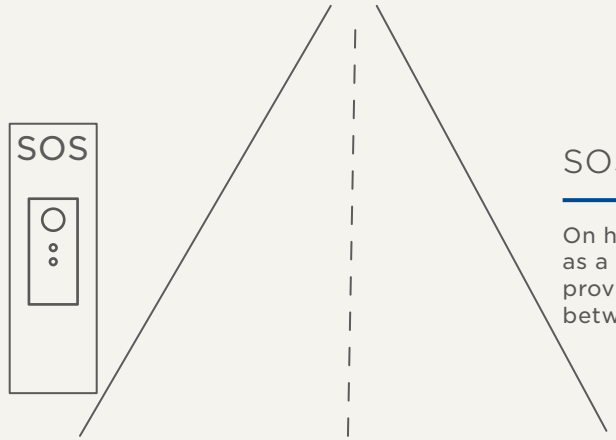
Tamper switch detecting unauthorized device intrusions

IP69K IK10 ANTI VANDAL



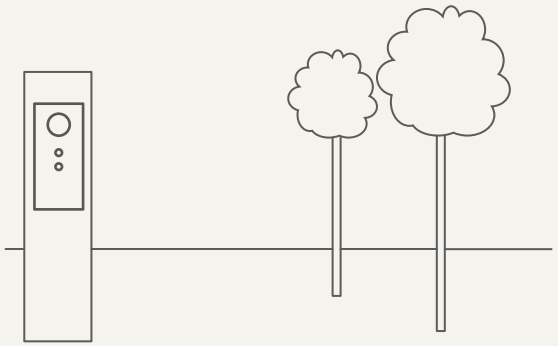
HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

Installed at the parking lot exit it can significantly help in unexpected situations.



SOS POINT

On highways, the intercom‘s functions as a part of an SOS Point a solution providing emergency communication between drivers and a supervision centre.



INFOPOINT IN CITY PARK

A visible and easily operated information point in city parks, relax areas or other public places.

2N® Helios IP Uni

Designed for easy installation

Durable stainless steel cover suitable for outdoor application

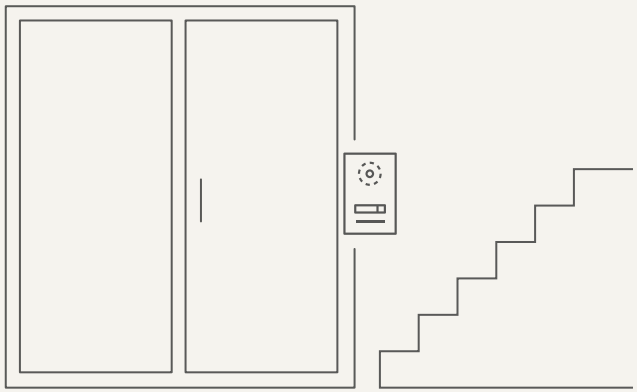
Output for lock control

Pictograms signalling the status of the intercom

Tamper switch

Easy integration with IP telephone systems using SIP protocol support

IP54 IK10

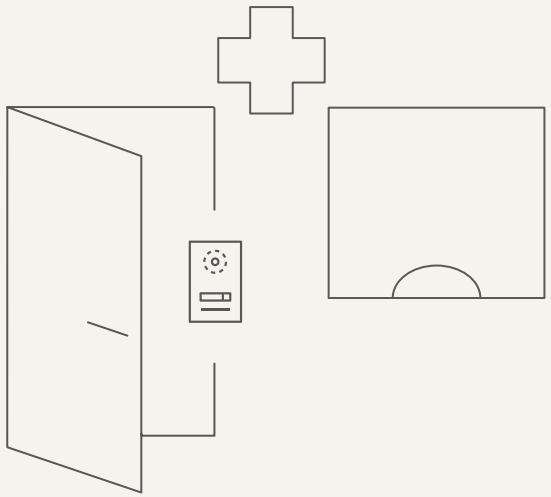


EASY COMMUNICATION IN OFFICES

For services entrances and back stairways in offices where it is necessary to ensure simple, safe communication.

INTERCOM FOR PHARMACIES WITH NIGHT WORK HOURS

An easy and effective system for calling personnel during night hours.



OFFICE
Anderson Jack
Brown Anthony
Carter Sophie
Davis Paul
Help

YouTube
viewster
Smart Games TV
Picasa
AUPEO!
meteonews TV
TURKISH AIRLINES
12:45
19°C

2N® Indoor Touch

Luxury design
and high-tech processing

7” touch screen

Audio and video
communication in HD quality

Video monitoring of 2N IP
intercoms

Video voicemail or visitor’s
snapshot in case of a missed call

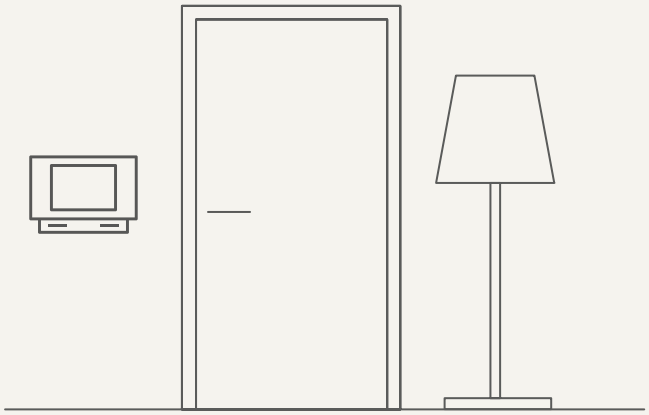
Easy installation and remote
administration in large
residential apartments

Home automation integration
using OS Android support

Support of doorbell button by
the apartment or house entrance

RESIDENTIAL BUILDING

2N® Indoor Touch offers excellent monitoring, communications and access control for residential entrances. The device can be installed in any apartment.



STYLISH ACCOMMODATION

You can use 2N® Indoor Touch in your apartment or house as an answering station or to monitor what is happening at your door.

2N® Mobile Video

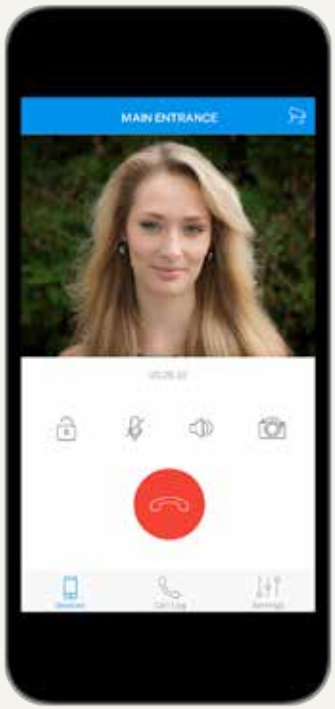
Video calls on your mobile phone

Accept the call anywhere in the world over the internet

Building entrance monitoring

Open the door remotely

Solution for small residential installations as well as for large apartment buildings



Mobile Application available for iOS and Android

Video preview before call pick-up

Easy configuration and remote administration via My2N.com portal

Calling on more devices like 2N® Indoor Touch or IP telephone

Call on more devices at once

My2N

2N® Access Unit
Bluetooth and RFID

Access card reader embedded in a controller creating a single compact device

Possibility to open doors using a smartphone supporting Bluetooth or NFC

One single cable for both communication and power

With 2N® Access Commander suitable for small installations as well as for extensive systems

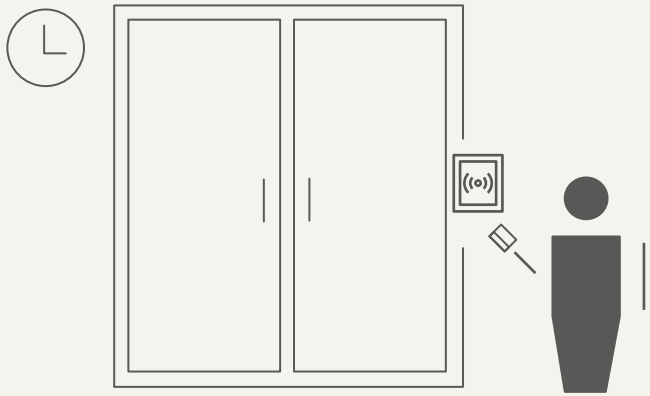
Suitable for indoor and outdoor installation

Smart status monitoring with notifications to your email

Together with 2N Helios IP intercoms it creates complex solutions for access control system

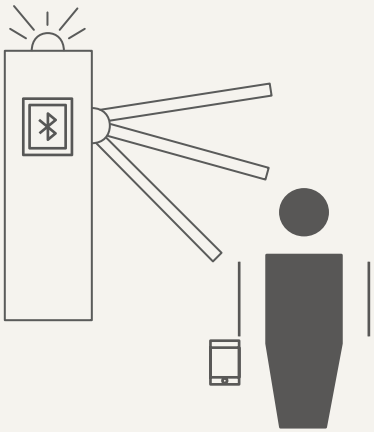
Easy integration with camera, attendance and other systems

IP54 IK8 ANTI VANDAL



ATTENDANCE SYSTEM

The access unit works as an easy attendance terminal recording all of your employees‘ arrivals and departures.



ACCESS VIA SMARTPHONE

With our Bluetooth enabled applicaton you do not have to search for your access card anymore, just approach the card reader with your mobile phone.

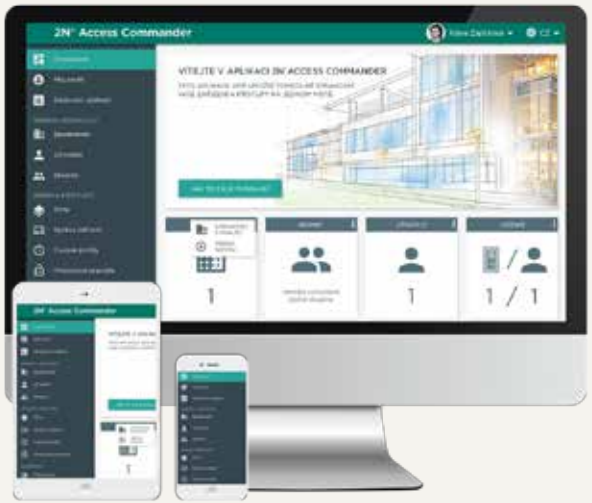
2N® Access Commander

Software for access control system configuration and administration

Access via a web interface

Modern design with an intuitive control designed even for an average user

Attendance system for work time evidence

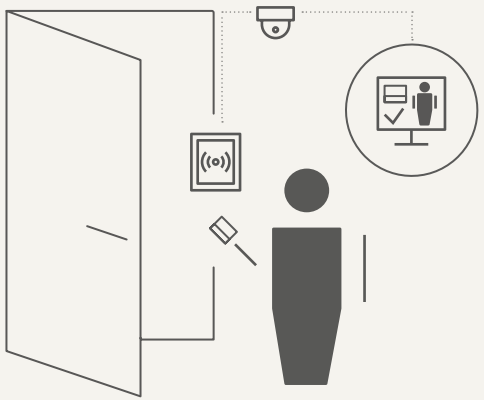


Bulk configuration of 2N Helios IP intercoms and access units from one place

Access records and alarms supplemented by visual record from the intercom

Advanced status monitoring of all connected devices with the notifications

Integration with third party systems using web REST API interface



INTEGRATION WITH MILESTONE XPROTECT VMS

An administrator can watch the video from cameras and manage the access control system via one common interface.

2N® IP Audio Manager

SW audio matrix and management system for 2N IP audio products

Creates audio streams through an IP network into different destinations

Automatic synchronization function ensures that there are no issues with time alignment or delay between any two speakers

Broadcast unique content to as many as 100 zones

Planner function for automatic broadcasting

Remote control of the entire system

2N® Net Audio

2N® Net Speaker

Active IP loudspeaker

Easy and quick installation thanks to PoE and its auto-discovery function

Connection available for a 2nd passive speaker

Hi-Fi quality audio

2N® Net Mic

IP based microphone console for live or preset announcements

Quick and easy installation using PoE support and the ability to connect anywhere across the network

Can set up 12 separate announcements in 12 zones including zone activity detection

Intuitive operability

2N® Net Audio Decoder

IP to analogue audio converter with integrated amplifier

Automatic content back-up in the case of a network outage using SD card support

Easy and quick installation using PoE and automatic network recognition

Hi-Fi quality audio

2N® Net Audio

2N® Net Audio Decoder Lite

IP Audio to analogue audio converter

Automatic content back up in the case of a network outage using SD card support

Easy and quick installation using automatic network recognition

Hi-Fi quality audio

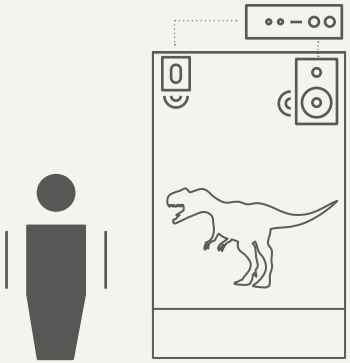
2N® Net Audio Encoder

Analogue to IP audio converter

Quick and easy installation using PoE support and the ability to connect anywhere across the network

Digital input for connecting a paging button

Hi-Fi quality audio

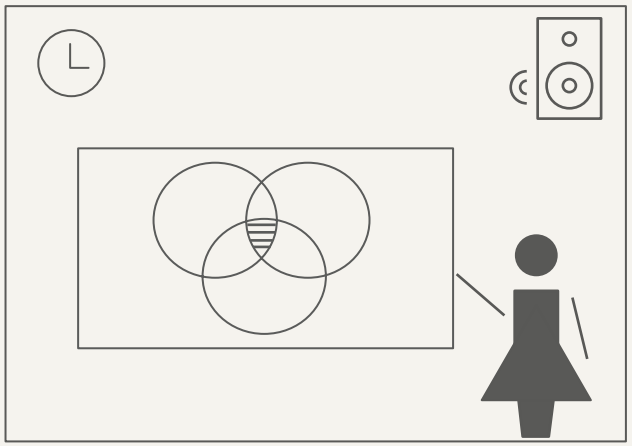


AUDIO THROUGHOUT THE AMUSEMENT PARK

The system allows you to broadcast background music throughout the amusement park. Whenever a visitor comes into a given zone, they will hear sound related to that particular attraction.

PROMOTIONAL MESSAGES AND IN-STORE MOOD MUSIC

Centralized playback of promotional messages or background music across multiple locations or branches. Centralized management of audio content allows for online monitoring, reporting about streamed music and back-up storage.



PUBLIC ADDRESS IN SCHOOLS

Net audio provides a broad range of everyday uses in all educational establishments. You can broadcast live or pre-recorded announcements, ring the school bell or play background music.

2N® SIP Audio

2N® SIP Speaker

SIP based loudspeaker for live or pre-recorded announcements

Seamless compatibility with video management software (VMS) and IP PBXs

Internal scheduler for broadcasting preset announcements

Easy installation with a single cable (PoE)

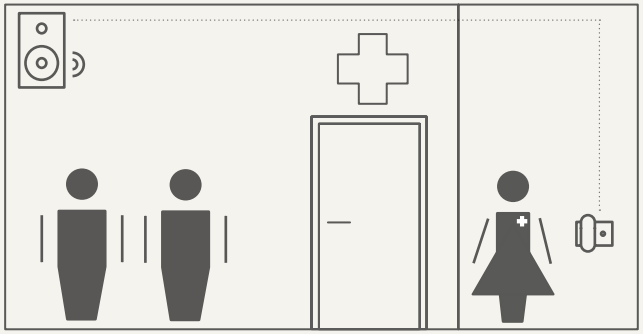
2N® SIP Speaker Horn

Outdoor IP speaker for live and preset announcements across large areas

Loudest IP based speaker on the market (SPLmax 124dB)

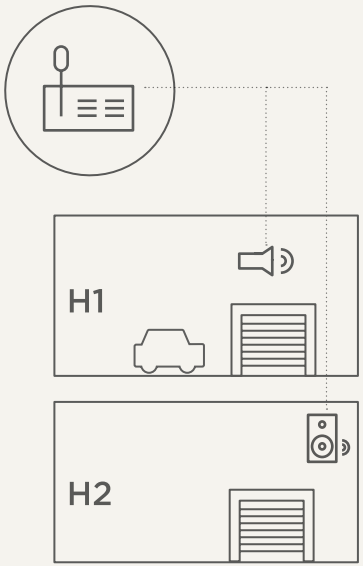
Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP protocols

Easy installation with a single cable (PoE)



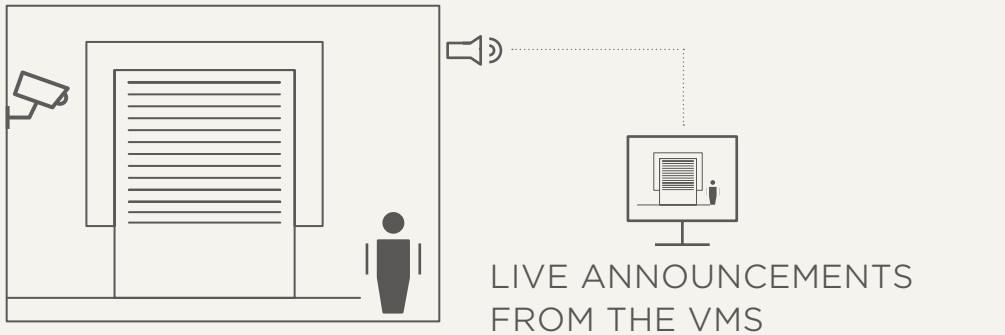
DOCTOR'S WAITING ROOM

It lets you play live or pre-recorded messages from an IP connected telephone. A nurse can thus easily make "next please" announcements and the like, right into the waiting room.



ANNOUNCEMENTS INTO PRODUCTION HALLS

Announcements into as many as 12 zones without having to install a server. You can broadcast specific content into individual zones or to the entire system.



LIVE ANNOUNCEMENTS FROM THE VMS

In case an uninvited visitor gets in, you can immediately respond with a live or pre-set message directly from the VMS and swiftly put off an intruder.

2N® SIP Audio

2N® SIP Mic

SIP based paging console for live or preset anouncements

Announcements up to 12 zones using multicast support

Remote control of Door locks (or any 3rd party device) using http supported commands

Easy installation with a single cable (PoE)

2N® SIP Audio Converter

SIP Audio to analogue audio converter

Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP support

Broadcasting sounds from Cisco devices using Informacast support

Simple API for system integrators

Ordering numbers, Accessories and other information

2N® Helios IP Verso

Main unit

1 button
9155101C (with camera) 9155101 (without camera)

Extending modules

Touchscreen
9155036

Bluetooth module
9155046

Keypad
9155031

5 buttons
9155035

RFID card reader
9155032 (125kHz) 9155033 (13,56MHz)

RFID card reader with NFC
9155040 (13,56MHz) 9155042 (13,56MHz secure)

Induction loop
9155041

Blind module
9155039

Info panel
9155030

Tamper switch
9155038

I/O module
9155034

Wiegand module
9155037

Frames

Flush installation 1 module
9155011

Flush installation 2 modules
9155012

Flush installation 3 modules
9155013

Surface installation 1 module
9155021

Surface installation 2 modules
9155022

Surface installation 3 modules
9155023

Accessories

Boxes

Flush-mounting box for 1 module	9155014
Flush-mounting box for 2 modules	9155015
Flush-mounting box for 3 modules	9155016

Other

Extension cable – 1 m long	9155050
Extension cable – 3 m long	9155054
Extension cable – 5 m long	9155055
Blind button	9155051
Nametag foil	9155052

Backplates

Backplate – 1 module	9155061
Backplate – 2 modules	9155062
Backplate – 3 modules	9155063
Backplate – 2(w) x 2(h) modules	9155064
Backplate – 3(w) x 2(h) modules	9155065
Backplate – 2(w) x 3(h) modules	9155066
Backplate – 3(w) x 3(h) modules	9155067

2N® Helios IP Vario

Module with display

Basic module

	6 buttons + keypad	1 button	3 buttons	6 buttons	1 button + keypad	3 buttons + keypad	6 buttons + keypad
With camera	9137160CKDU	9137111CU	9137131CU	9137161CU	9137111CKU	9137131CKU	9137161CKU
Without camera	9137160KDU	9137111U	9137131U	9137161U	9137111KU	9137131KU	9137161KU

Extending modudules

8 button extender	9135181E
16 button extender	9135182E
Infopanel	9135310E

Accessories

Roofs and boxes	
Roof for one module	9135331E
Roof for two modules	9135332E
Flush mount box for one module	9135351E
Flush mount box for two modules	9135352E
Roof and flush mount box for one module	9135361E
Roof and flush mount box for two modules	9135362E

Other	
Infopanel name plate	9135311E
Name plate	9135301E
Double button name plate	9135302E
RFID card reader 125 kHz	9137430E
Additional switch	9137310E

Ordering numbers, Accessories and other information

2N® Helios IP Force

1 button

1 button keypad

4 buttons

2 buttons card reader ready

1 button + pictograms card reader ready

With HD camera	9151101CHW	9151101CHKW	9151104CHW	9151102CHRW	9151101CHRPW
With camera	9151101CW	9151101CKW	9151104CW	9151102CRW	9151101CRPW
Without camera	9151101W	9151101KW	9151104W	9151102RW	9151101RPW

2N® Helios IP Safety

2 buttons - Info and SOS 10W speaker

1 button 10W speaker

Red emergency button 10W speaker

9152102W	9152101W	9152101MW

2N® Helios IP Base

With camera black frame

9156111CB

2N® Helios IP Uni

1 button pictograms

9153101P

1 button

9153101

2 buttons

9153102

Accessories

Helios IP Force	
125 kHz RFID card reader + tamper switch	9151011
13,56 MHz card reader NFC ready + tamper switch	9151017
Secured card reader NFC ready 13.56MHz	9151019
Helios IP Force + Safety	
Additional switch + tamper switch	9151010
Flush mount box	9151001
Flush mount box for mounting in plasterboard	9151002

Helios IP Safety	
Frame	9152000
Helios IP Base	
125kHz Card Reader	9156030
13,56MHz RFID Card Reader reads UID	9156031
Backplate	9156020
Helios IP Uni	
Box for wall mounting	9153003

2N® Indoor Touch

Black / White variant

91378365 / 91378365WH
91378366 (With WiFi) / 91378366WH (With WiFi)

2N® Mobile Video

Application available on

Google Play
Apple Store

2N® Access Unit

RFID

916009 (125kHz)
916010 (13,56MHz)

Bluetooth

916013

2N® Access Commander

Application available on

www.2n.cz

2N® Mobile Key

Application available on

Google Play
Apple Store

Accessories

Indoor Touch	
Presentation stand	91378382

License

Indoor Touch	
Unlocking license for uploading apps	91378390
Access Commander	
License for 5 devices	91379040
License for Attendance (+25 users)	91379041
LDAP license	91379042
Access Unit	
NFC License	916012

Ordering numbers, Accessories and other information

2N® Net Audio

2N® Net Audio Decoder

914010E

2N® Net Audio Decoder Lite

914013E

2N® Net Audio Encoder

914075E

2N® Net Speaker Ceiling

914031E (white)
914036B (black)
914035E (white + IR remote control support)

2N® Net Speaker Wall Mounted

914033W (white)
914033B (black)

2N® Net Mic

914071E

2N® IP Audio Manager

914202E

with:
5x Net Audio device license + 1x RTP license
2N® IP Audio Control panel
2N® IP Audio Console
2N® IP Audio Virtual Sound Card
2N® IP Audio Web Scheduler

License

2N® IP Audio Manager - 1x 2N Net Audio device license	914204E
2N® IP Audio Manager, 1x RTP license	914205E
2N® IP Audio Web Scheduler license	914206

2N® SIP Audio

2N® SIP Audio Converter

914401E
914490E
(set with speaker and microphone)

2N® SIP Speaker

914421B (white)
914421W (black)

2N® SIP Speaker Horn

914422E

2N® SIP Mic

914431E

Accessories

2N IP Audio Mounting set (2N® Net Audio Decoder, 2N® Net Audio Decoder Lite, 2N® SIP Audio Converter)	914105E
2N® Net Audio Encoder Rack mounting kit	914106E
2N® NetSpeaker IR Remote Controller (for 2N® Net Speaker, 2N® Net Audio Decoder a 2N® Net Audio Decoder Lite)	914107E
2N® Loud Speaker, wall mounted, black	914034B
2N® Loud Speaker, wall mounted, white	914034W
2N IP Audio Power Supply - EU plug	914102E
2N IP Audio Power Supply - UK plug	914102GB
2N IP Audio Power Supply - US plug	914102US
2N® SIP Speaker Horn Power Supply (24V EU plug)	914423E

License

2N® SIP Audio + Helios IP Informacast license	9137910

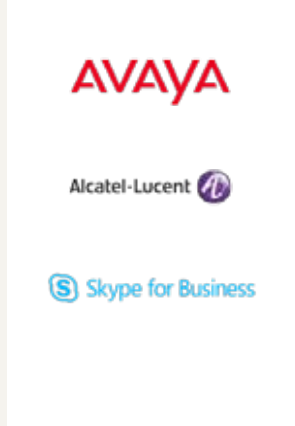
Other Accessories

Electrical strikes	
Electrical strike 11211 12V/230mA DC	932071E
Electrical strike 11221 hold-open 12V/230mA DC	932081E
Electrical strike 11211MB mechanical blocking 12V/230mA DC	932091E
Electrical strike 31211 fail-safe 12V/170mA	932072E
Electrical strike 211211 door signalling 12V/230mA	932061E
Electrical strike 321211 fail-safe, door signalling 12V/170mA	932062E
License	
License for G.729	9137902
Enhanced Audio	9137905
Enhanced Video	9137906
Enhanced Integration	9137907
Enhanced Security	9137908
Gold	9137909
License Informacast	9137910
License NFC	9137915

IP videophones	
Grandstream GXV 3275	91378358
Grandstream GXV 3240	91378357
RFID tags (for Verso, Vario and Force)	
Card EMarine RFID 125 kHz	9134165E
Key EMarine RFID 125 kHz	9134166
Card Mifare RFID 13,56 MHz	9134173
Key Mifare RFID 13,56 MHz	9134174
External card reader RFID	
External card RFID 125 kHz EMarine	9137420E
External card RFID 13,56 MHz	9137421E
External card reader Wiegand 125 kHz EMarine RFID	9159030
External card reader Wiegand 13,56 MHz Mifare RFID	9159031

Other	
External antenna for Induction Loop module	9155043
2N® Helios IP Verso connection cable length 3m	9155054
2N® Helios IP Verso connection cable length 5m	9155055
2N® Helios IP Security Relay	9159010
2N® Helios IP Wiegand	9159011
2N® Induction Loop	9159050
External antenna	9159051
Power supply 12V/1A	9159052
2N® 2Wire (plug EU/US/UK)	9159014EU 9159014US a 9159014UK
Exit button	9159013
IP relay – 1 output	9137410E
IP relay – 4 output	9137411E
Magnetic contact	9159012
Power supply 12V/2A	91341481E
Transformer	932928
PoE Injector (EU/US plug)	91378100E a 91378100US

TELEPHONY



SIP

ACCESS CONTROL

WIEGAND

VIDEO MANAGEMENT SYSTEMS

ONVIF S

HOME AUTOMATION

SIP AND HTTP(S) API

COMPATIBILITY WITH GLOBAL TECHNOLOGY PARTNERS

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